

Date: Sun, 29 May 94 04:30:05 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #587
To: Info-Hams

Info-Hams Digest Sun, 29 May 94 Volume 94 : Issue 587

Today's Topics:

 6JS6C's available? \$\$?
 Daily Summary of Solar Geophysical Activity for 27 May
 IDing
 RTTY PD software.
 SSB Filters
 This Week on Spectrum May 28, 1994
 Where to find info about ax.25 ???

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 28 May 94 01:02:42 -0800
From: ihnp4.ucsd.edu!library.ucla.edu!csulb.edu!nic-nac.CSU.net!vax.sonoma.edu!
harrisok@network.ucsd.edu
Subject: 6JS6C's available? \$\$?
To: info-hams@ucsd.edu

Just out of curiosity, how tough is it to find 6JS6C tubes, anyway? I believe
that I saw someone mentioned they were expensive... What are they going for
now? (I can't remember the ones I last used in my FT-101B, maybe GE?) These
replaced the NEC's that were in there along with the associated mods for
neutralization. I would like to have a spare set handy, but right now I can
only afford to be curious as to how much they are going for. :)

Ken Harrison
N6MHG
email: harrisok@sonoma.edu

SYNOPSIS OF ACTIVITY

Solar activity was very low. The solar disk is spotless.
No flares were observed.

Solar activity forecast: solar activity is expected to be very low.

The geomagnetic field was quiet.

Geophysical activity forecast: the geomagnetic field is expected to be mostly quiet until the beginning of a recurrent disturbance sometime on 29 May.

Event probabilities 28 may-30 may

| | |
|---------|----------|
| Class M | 01/01/01 |
| Class X | 01/01/01 |
| Proton | 01/01/01 |
| PCAF | Green |

Geomagnetic activity probabilities 28 may-30 may

A. Middle Latitudes

| | |
|--------------------|----------|
| Active | 15/30/30 |
| Minor Storm | 05/25/25 |
| Major-Severe Storm | 05/15/15 |

B. High Latitudes

| | |
|--------------------|----------|
| Active | 25/30/30 |
| Minor Storm | 10/25/25 |
| Major-Severe Storm | 05/15/15 |

HF propagation conditions were normal over all regions. Near-normal propagation should continue on 28 May. On 29 May, the anticipated arrival of the coronal-hole related disturbance should degrade communications over the high and polar latitude paths. Degradation is expected to affect the middle latitudes as well, mostly during the local night hours. Expect reduced MUFs, increased noise and signal instability for at least the next week.

COPIES OF JOINT USAF/NOAA SESC SOLAR GEOPHYSICAL REPORTS

=====

REGIONS WITH SUNSPOTS. LOCATIONS VALID AT 27/2400Z MAY

```

-----
NMBR LOCATION  LO  AREA  Z   LL   NN MAG TYPE
7727  N08W65  053                PLAGE
7728  S07E25  323                PLAGE
REGIONS DUE TO RETURN 28 MAY TO 30 MAY
NMBR LAT    LO
NONE
  
```

LISTING OF SOLAR ENERGETIC EVENTS FOR 27 MAY, 1994

```

-----
BEGIN  MAX  END  RGN   LOC   XRAY  OP 245MHZ 10CM  SWEEP
NONE
  
```

POSSIBLE CORONAL MASS EJECTION EVENTS FOR 27 MAY, 1994

```

-----
BEGIN      MAX      END      LOCATION  TYPE  SIZE  DUR  II IV
NO EVENTS OBSERVED
  
```

INFERRED CORONAL HOLES. LOCATIONS VALID AT 27/2400Z

```

-----
ISOLATED HOLES AND POLAR EXTENSIONS
EAST  SOUTH  WEST  NORTH  CAR  TYPE  POL  AREA  OBSN
83   S60E86 S60E86 S19W37 S19W37 325  EXT  NEG  056 10830A
84   N40E66 N34E41 N34E41 N43E61 292  ISO  POS  003 10830A
  
```

SUMMARY OF FLARE EVENTS FOR THE PREVIOUS UTC DAY

```

-----
Date   Begin  Max   End  Xray  Op Region  Locn      2695 MHz  8800 MHz  15.4 GHz
-----
NO EVENTS OBSERVED.
  
```

REGION FLARE STATISTICS FOR THE PREVIOUS UTC DAY

```

-----
C   M   X   S   1   2   3   4   Total   (%)
--  --  --  --  --  --  --  --  ---  -----
Uncorrelated: 0   0   0   0   0   0   0   0   000   ( 0.0)
  
```

Total Events: 000 optical and x-ray.

EVENTS WITH SWEEPS AND/OR OPTICAL PHENOMENA FOR THE LAST UTC DAY

Date Begin Max End Xray Op Region Locn Sweeps/Optical Observations

NO EVENTS OBSERVED.

NOTES:

All times are in Universal Time (UT). Characters preceding begin, max, and end times are defined as: B = Before, U = Uncertain, A = After. All times associated with x-ray flares (ex. flares which produce associated x-ray bursts) refer to the begin, max, and end times of the x-rays. Flares which are not associated with x-ray signatures use the optical observations to determine the begin, max, and end times.

Acronyms used to identify sweeps and optical phenomena include:

II = Type II Sweep Frequency Event
III = Type III Sweep
IV = Type IV Sweep
V = Type V Sweep
Continuum = Continuum Radio Event
Loop = Loop Prominence System,
Spray = Limb Spray,
Surge = Bright Limb Surge,
EPL = Eruptive Prominence on the Limb.

** End of Daily Report **

Date: 28 May 1994 19:36:44 GMT
From: ihnp4.ucsd.edu!swrinde!elroy.jpl.nasa.gov!lll-winken.llnl.gov!noc.near.net!news.delphi.com!tedtrost@network.ucsd.edu
Subject: IDing
To: info-hams@ucsd.edu

>Don't go "This is AB1CDE monitoring 146.88" You don't *need* to
>say what frequency you're monitoring. To monitor means to
>listen for others who wish to talk. You're not doing it for the benefit
>of the listener on a scanner. If you're not sure what freq. you're
>listening in on, ask. If someone is there you'll find out. If you're
>NOT sure, get new equipment or fix the broken readout on yours.

Many of us have scanning HT's or mobiles, and we use them to monitor several repeaters at once. When driving, or otherwise unable to watch a display, the method described on the top line above helps immensely when one hears

someone to whom one wishes to speak on a repeater. You see, not only "scanners" scan. Some of us have scanning *transceivers*.

By the way, I agree with your opposition to the "don't rock the boat" school of argument. When that method of argument is used, it usually means there is no real substantive reason to maintain the status quo (or at least the person wanting a steady boat is unaware of one).

Ted Trost

Internet: tedtrost@delphi.com Delphi: TEDTROST CompuServe: 71175,1043
Amateur radio station N1RDQ "I like beer. On occasion I will even
drink a beer to celebrate a major event such as the fall of communism
or the fact that our refrigerator is still working." --Dave Barry

Date: Sat, 28 May 1994 11:16:54 +0000
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!doc.ic.ac.uk!lyra.csx.cam.ac.uk!pipex!
demon!metsys.demon.co.uk!John@network.ucsd.edu
Subject: RTTY PD software.
To: info-hams@ucsd.edu

Can anyone suggest any NET sources of PD software, preferably with
source code in 'C' for decoding of RTTY Met data, ideally using a
simple interface such as the John Hoot Software Systems 741 op-amp
unit or the same type of unit detailed in the JVFAX documents.

I have written a program to decode the UK Bracknell transmissions
of AAXX, TTAA, SFLOC & CLIMAT in baudot met code to graphs and maps
of the station locations and data for all European countries. Whilst
I am using a PK232 (Pakratt) I would like to try my program out with
a simple demodulator, but apart from buying SWL, I don't know know of
any sources.

Any help appreciated.

John G4BSU.

Date: 28 May 94 22:39:40 GMT
From: dog.ee.lbl.gov!ihnp4.ucsd.edu!qualcomm.com!maui!williams@ucbvax.berkeley.edu
Subject: SSB Filters
To: info-hams@ucsd.edu

>> Does someone have any clue regarding a possible US source for these ?
>> What I'd like to find out is a 10.7003 to 10.703 Xtal Filter, with at least
>> 60 dB at 10.6997 MHz. But a 9 MHz look-alike filter (or any IF) would

>> fit also.

9 MHz crystal filters "for the experimenter" are available from:

International Radio and Computer, Inc.
3804 South U.S. #1
Fort Pierce, FL 34982

Phone (407) 489-0956, Fax (407) 464-6386.

They cost \$75 each. Five models for SSB range from 1800 Hz to 2400 Hz, with shape factors of 1.6 or 1.8. They also have models for CW, AM, and FM. This company also makes filters designed for Icom, Kenwood, Yaesu, Heath, Drake, and Collins radios.

I have no affiliation with them, I just happen to have their latest catalog handy since I was looking into accessory filters for my rig.

73 -Paul
kb5mu@amsat.org

Date: 28 May 1994 08:31:27 -0400
From: spcuna!starcomm.overleaf.com!not-for-mail@uunet.uu.net
Subject: This Week on Spectrum May 28, 1994
To: info-hams@ucsd.edu

On may 28'th we will interview Larry Ledlow NA5E. Larry has just returned from an assignment with the un in Croatia and Bosnia. He will clue us in on the communications scene in that troubled part of the world.

On Saturday June 4'th we will take a look at Digital Audio Broadcasting or DAB. This high-tech system of broadcasting is in the wings and should be here near the end of the century. A few systems have been proposed for dab and a standard hasn't been decided as of yet. Our guest will be Ted Schober. Ted has been on the leading edge in the world of DAB and will give us a look into the radio of the future.

On Saturday June 11'th we will take a look at vsats, (very small apachure earth terminals). Vsats are the newest high-tech method of satellite communications. Our guest will be Bill Septmeyer. Bill is an engineer and founder of National Supervisory Network (NSN). Nsn is on the cutting edge of this new communications technology. So join us on the 11'th of June when we take to the sky on Spectrum.

--

Spectrum airs live Sunday at 0200 UTC (2200 EDT Saturday) on:

WWCR, 5810 KHz, Nashville, TN (World Wide)
WIFI, 1460 AM, Florance, NJ (Philadelphia Area)
KHNC, 1360 AM, Johnstown, CO (Denver Area)
Omega Radio Network, Galaxy III, X17, 5.8 MHz WIDE audio. (Satellite)

Spectrum is rebroadcast:

Sunday at 1500 EDT, on WIFI, 1460 AM, Florance, NJ (Philadelphia Area)

--

Spectrum, "The Communications Magazine You Read With Your Ears."
Box 722, Holmdel, NJ, 07733-0722, USA
spectrum@overleaf.com, askspectrum@attmail.com
+1 800-787-SPECTRUM, +1 908-671-4209

Date: 28 May 1994 16:24:54 GMT
From: ihnp4.ucsd.edu!swrinde!gatech!howland.reston.ans.net!vixen.cso.uiuc.edu!
moe.ksu.ksu.edu!wizard.uark.edu!comp!plaws@network.ucsd.edu
Subject: Where to find info about ax.25 ???
To: info-hams@ucsd.edu

jholly@cup.hp.com (Jim Hollenback) writes:

>Sandland Oerjan (sandland@nki.no) wrote:

>: Hi all !

>: I need to find as much info as possible in the ax.25 protocol.....

>: rfc's faq's anything !

>: thanks !

>ARRL

>225 Main St.

>Newington, CT 06111

>The manual is about \$10.

>Jim, WA6SDM

I think from Sandland's use of the terms "rfc" and "faq" he meant a net.source, not snailmail! Surely there is a net site that has the info.

We could try the arrl's info server. Send mail to:

info@arrl.org

With:

'send index'

in the body ...

73,

Peter Laws, N5UWY - V31WY

President,
Amateur Radio Club,
University of Arkansas / W5YM

Peter Laws <plaws@comp.uark.edu> | "The '90s are gonna make the '60s
n5uwy@ka5bml.#nwar.ar.usa.noam | look like the '50s" - Dennis Hopper

End of Info-Hams Digest V94 #587
